**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L8 | 10446 | microlithography | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L9 | 884 | EUVL | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L10 | 358433 | diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L11 | 35 | L9 and L10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L12 | 750 | L8 and L10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L13 | 9249 | adjust$4 adj3 diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L14 | 70 | L8 and L13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L15 | 2 | "6639696".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L16 | 2 | "6445510".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L17 | 1103 | 359/739,738.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L18 | 10446 | microlithography | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L19 | 884 | EUVL | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L20 | 358433 | diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L21 | 35 | L19 and L20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L22 | 750 | L18 and L20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L23 | 9249 | adjust$4 adj3 diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
|-----|------|--------------------------|---------------------------------------------------------|----|----|------------------|
| L24 | 70 | L18 and L23 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L25 | 490053 | ultra$violet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L26 | 422 | L25 and (diaphragm near4 shape) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L27 | 105 | L25 and (diaphragm near4 shape) and lithography | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L28 | 18 | L25 and (diaphragm near4 shape) same disk | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L29 | 15137 | diaphragm near10 (rotate or rotat$4 or revolv$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L30 | 699 | L29 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L31 | 11591 | (lift or arm) near10 diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
|-----|--------|------|------|-----|-----|------|
| L32 | 119 | L30 and L31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L33 | 490053 | ultra$violet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L34 | 8840 | ultra$violet and diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L35 | 17047 | diaphragm near5 (store$ replac$4 remov$4 exchang$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L36 | 465 | L34 and L35 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L37 | 14563 | diaphragm near5 (shape or geometry) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L38 | 94 | L36 and L37 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L39 | 4 | L38 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
|-----|-----|---------------------|------------------------------------------------------------|-----|-----|------------------|
| L40 | 21 | L36 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L41 | 17 | L40 not L39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L42 | 694 | L34 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L43 | 9 | L42 and (disc near5 diaphragm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L44 | 1279 | ultra$violet and "353".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L45 | 1030 | ultra$violet and "396".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L46 | 2291 | L44 or L45 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L47 | 160 | L46 and diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
|-----|-----|-------------------|-----|----|----|----|
| L48 | 1862 | 359/738-740.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L49 | 117 | ultra$violet and L48 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L50 | 19 | L49 and diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L51 | 5285 | 359/811-820.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L52 | 418 | ultra$violet and L51 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L53 | 33 | L52 and diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L54 | 10446 | microlithography | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L55 | 884 | EUVL | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
|-----|-----|------|------|-----|-----|------|
| L56 | 358433 | diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L57 | 35 | L55 and L56 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L58 | 750 | L54 and L56 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L59 | 9249 | adjust$4 adj3 diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L60 | 70 | L54 and L59 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L61 | 2 | "6639696".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L62 | 2 | "6445510".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L63 | 1103 | 359/739,738.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
|-----|------|-------------------|--------------------------------------------------------|----|----|------------------|
| L64 | 10446 | microlithography | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L65 | 884 | EUVL | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L66 | 358433 | diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L67 | 35 | L65 and L66 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L68 | 750 | L64 and L66 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L69 | 9249 | adjust$4 adj3 diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L70 | 70 | L64 and L69 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L71 | 490053 | ultra$violet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L72 | 422 | L71 and (diaphragm near4 shape) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L73 | 105 | L71 and (diaphragm near4 shape) and lithography | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L74 | 18 | L71 and (diaphragm near4 shape) same disk | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L75 | 15137 | diaphragm near10 (rotate or rotat$4 or revolv$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L76 | 699 | L75 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L77 | 11591 | (lift or arm) near10 diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L78 | 119 | L76 and L77 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L79 | 490053 | ultra$violet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
|-----|--------|--------------|----------|-----|-----|------------------|
| L80 | 8840 | ultra$violet and diaphragm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L81 | 17047 | diaphragm near5 (store$ replac$4 remov$4 exchang$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L82 | 465 | L80 and L81 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L83 | 14563 | diaphragm near5 (shape or geometry) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L84 | 94 | L82 and L83 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L85 | 4 | L84 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L86 | 21 | L82 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

| L87 | 17 | L86 not L85 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L88 | 694 | L80 and "359".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |
| L89 | 9 | L88 and (disc near5 diaphragm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/10/27 14:44 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 32 | microlithography.clm. and diaphragm.clm. | USPAT; UPAD | OR | ON | 2009/10/27 14:11 |
| L2 | 0 | microlithography.clm. and diaphragm.clm. and store. clm. | USPAT; UPAD | OR | ON | 2009/10/27 14:12 |
| L3 | 0 | microlithography.clm. and diaphragm.clm. and geometry.clm. | USPAT; UPAD | OR | ON | 2009/10/27 14:12 |
| L4 | 0 | microlithography.clm. and diaphragm.clm. and extreme.clm. | USPAT; UPAD | OR | ON | 2009/10/27 14:13 |
| L5 | 1 | microlithography.clm. and diaphragm.clm. and opening.clm. | USPAT; UPAD | OR | ON | 2009/10/27 14:13 |
| L6 | 1 | microlithography.clm. and diaphragm.clm. and down. clm. | USPAT; UPAD | OR | ON | 2009/10/27 14:14 |
| L7 | 3 | microlithography.clm. and diaphragm.clm. and position.clm. | USPAT; UPAD | OR | ON | 2009/10/27 14:43 |

**10/27/2009 3:18:16 PM**
**C:\ Documents and Settings\ Jgreece\ My Documents\ EAST\ Workspaces\ 10595583.wsp**